

AGA GAS INC -- LESS THAN 23.5% OXYGEN IN NITROGEN -- 6830-00-460-7704

===== Product Identification =====

Product ID:LESS THAN 23.5% OXYGEN IN NITROGEN

MSDS Date:01/01/1997

FSC:6830

NIIN:00-460-7704

Status Code:A

MSDS Number: CJVPB

=== Responsible Party ===

Company Name:AGA GAS INC

Address:6225 OAKTREE BLVD

City:CLEVELAND

State:OH

ZIP:44131

Country:US

Info Phone Num:216-642-6600

Emergency Phone Nu

m:216-642-6600

Resp. Party Other MSDS Num.:NO. 167

CAGE:0KPC9

=== Contractor Identification ===

Company Name:AGA GAS INC

Address:6225 OAKTREE BLVD

Box:94737

City:CLEVELAND

State:OH

ZIP:44101-4737

Country:US

Phone:216-642-6600

CAGE:0KPC9

Company Name:AGA GAS INC

Address:6055 ROCKSIDE WOODS BLVD

Box:94737

City:CLEVELAND

State:OH

ZIP:44131-2329

Country:US

Phone:216-642-6652

Contract Num:SP0450-99-M-JB29

CAGE:1E6A1

===== Composition/Information on Ingredients =====

Ingred Name:OX

YGEN  
CAS:7782-44-7  
RTECS #:RS2060000  
&lt; Wt:23.5

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000

===== Hazards Identification =====

LD50 LC50 Mixture:NONE PROVIDED BY MFR.  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NITROGEN IS A SIMPLE ASPHYXIANT AND  
OXYGEN IS THE "VITAL ELEMENT" IN THE ATMOSPHERE IN WHICH WE LIVE  
AND BREATHE.  
Explanation of Carcinogenicity:NEITHER OXYGEN NOR NITROGEN IS LISTED IN  
THE IARC, NTP OR OSHA AS A CARCINOGEN OR POTENTIAL CARCINOGEN.  
Effects of Overexposure:EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS SO  
AS TO DISPLACE THE OXYGEN IN AIR NECESSARY FOR LIFE MAY INCLUDE  
ANY, ALL OR NONE OF THE FOLLOWING: LOSS OF BALANCE OR DIZZINESS,  
TIGHTNESS IN THE FRONTAL AREA OF THE FOREHEAD. TINGLING OF THE  
TONGUE, FINGERTIPS, OR TOES. WEAKENED SPEECH LEADING TO INABILITY  
TO UTTER SOUNDS. RAPID REDUCTION IN THE ABILITY TO PERFORM  
MOVEMENTS. REDUCED CONSCIOUSNESS OF THE SURROUNDINGS. LOSS OF  
TACTILE SENSATIONS. HEIGHTENED MENTAL ACTIVITY.

===== First Aid Measures =====

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE TO THESE MIXTURES. RESCUE PERSONNEL SHOULD BE EQUIPPED  
WITH SELF CONTAINED BREATHING APPARATUS. INHALATION: CONSCIOUS  
PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE  
FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST  
IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED  
AREA, GIVEN ASSISTED RESPIRATION AND SUPPLEMENTAL OXYGEN. FURTHER  
TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

===== Fire Fighting Measures =====

Extinguishing Media:NONFLAMMABLE, INERT GAS  
Fire Fighting Procedures:IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY  
RELOCATE OR KEEP COOL WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

es =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY NUMBER LISTED HEREIN.

===== Handling and Storage =====

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CYLINDER IS SECURED WITH VALVE OUT

LET PIPED TO USE POINT. DO NOT DRAH, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT.

Other Precautions:ALWAYS SECURE CYLINDERS IN AN UPRIGHT POSITION BEFORE TRANSPORTING THEM. TRANSPORT CYLINDERS IN TRUNKS OF VEHICLES, ENCLOSED VANS, TRUCK CABS OR IN PASSENGER COMPARTMENTS. TRANSPORT CYLINDERS SECURED IN OPEN FLATBED OR IN OPEN PICK-UP TYPE VEHICLES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPRATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST: TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE THE OXYGEN LEVEL IN THE AIR TO LESS THAN 18 MOLAR PERCENT.

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GOGGLES OR GLASSES

Other Protective Equipment:NONE PROVIDED BY MFR.

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health

NONE PROVIDED BY MFR.

=====

===== Physical/Chemical Properties =====

HCC:G3

Evaporation Rate & Reference:N/A (GAS)

Appearance and Odor:COLORLESS, ODORLESS GAS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:THESE M

MIXTURES ARE NONTOXIC BUT THE

LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE. PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO THESE MIXTURES SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THESE PRODUCTS.

===== Disposal Considerations =====

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CON

TAINER PROPERLY LABELED, WITH

ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL ASSISTANCE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

===== Regulatory Information =====

SARA Title III Information:REPORTING UNDER SARA, TITLE III, SECTION 313 NOT REQUIRED.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.